

Thermal Stability (B-Doped Poly)

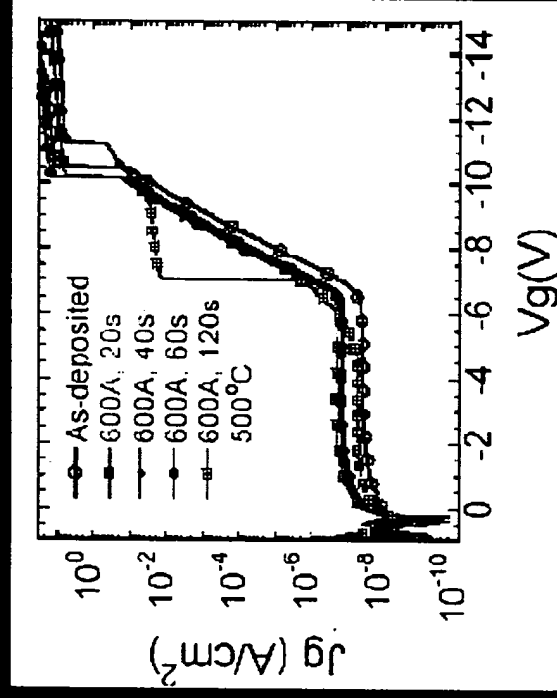


Fig. 1

Impact of TiN cap on B-doped NiSi gate

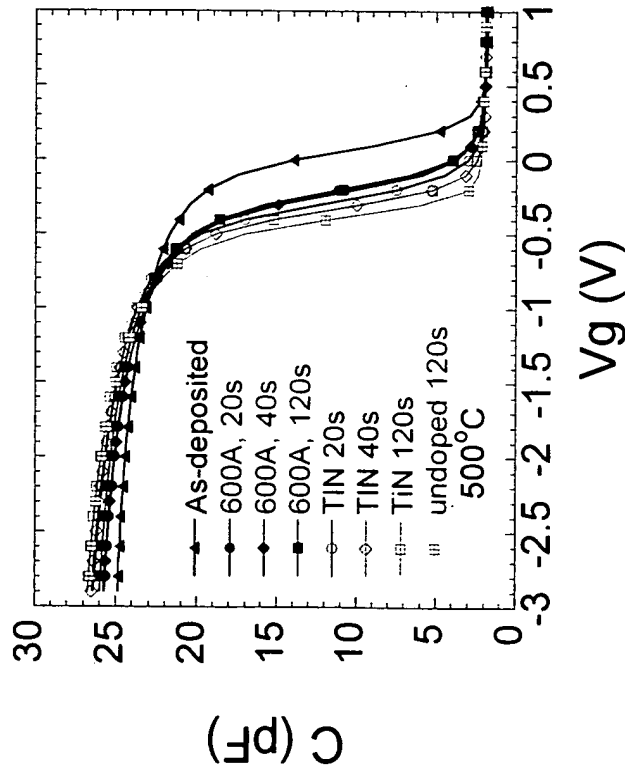


Fig. 2A

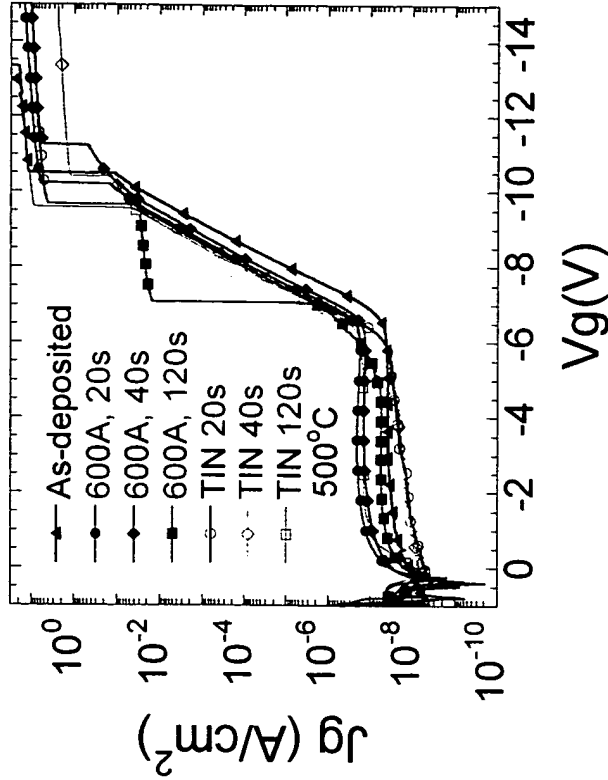


FIG. 2B

Impact of TiN cap on As-doped NiSi gate

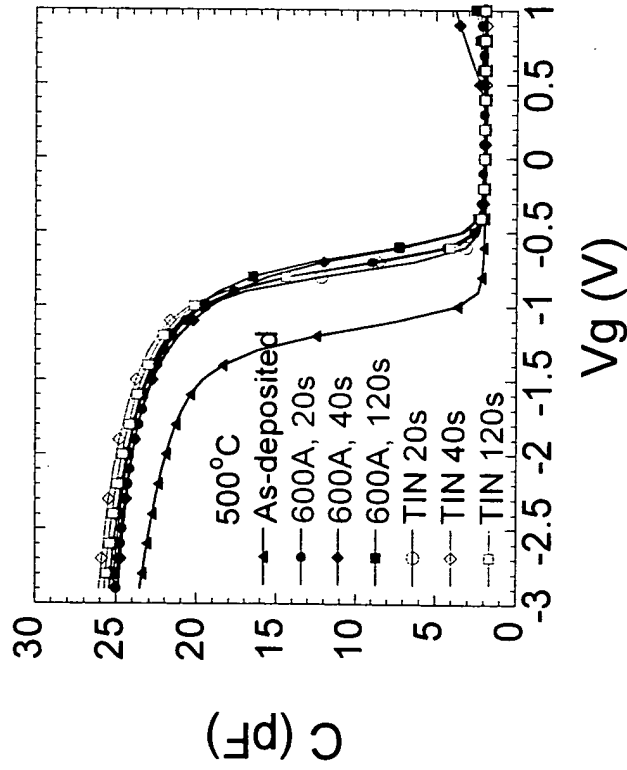


FIG. 3A

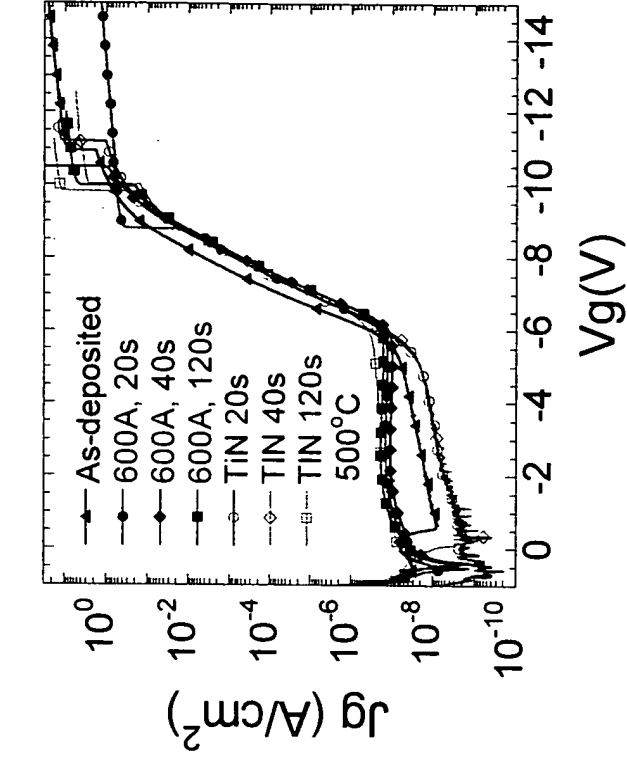


FIG. 3B

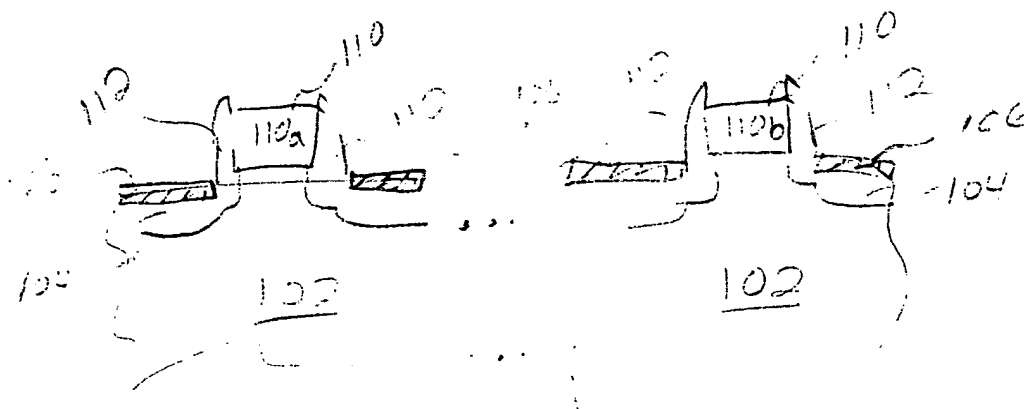


FIG. 4A

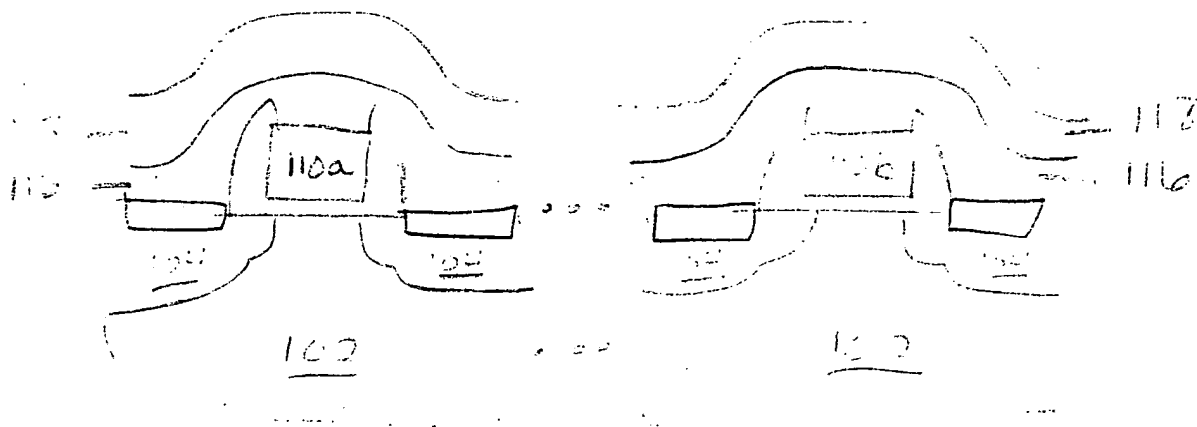


FIG. 4B

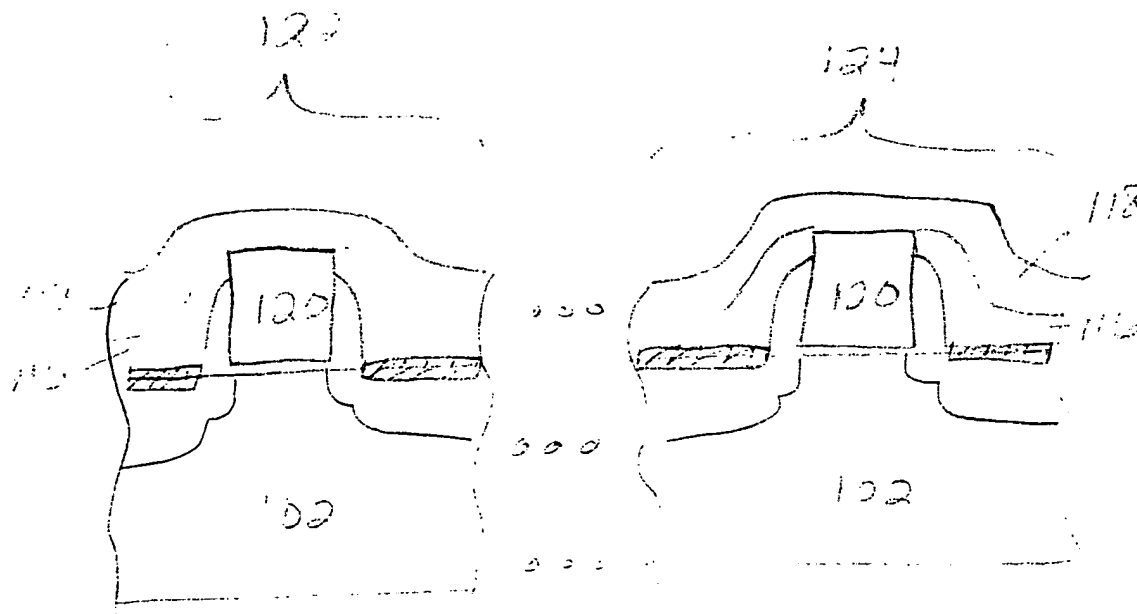


FIG. 4C

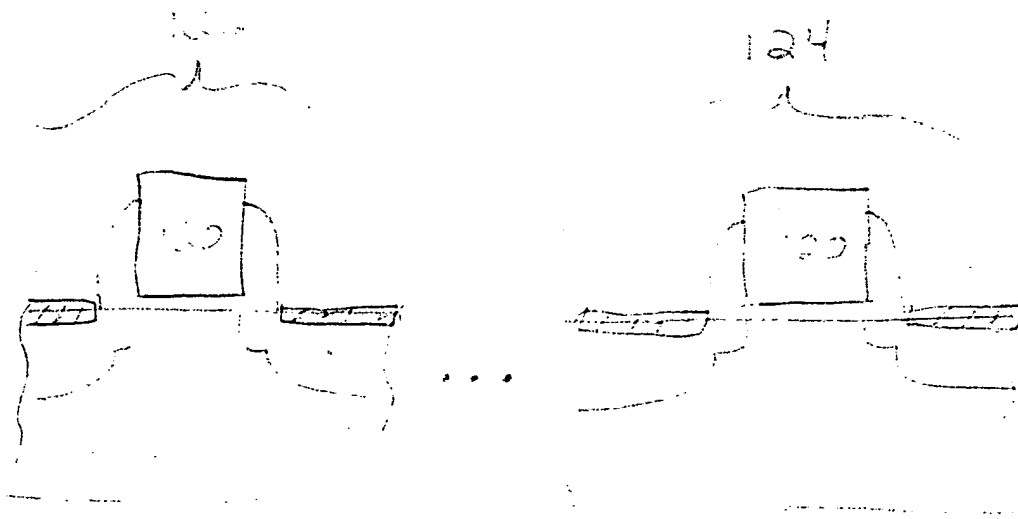


FIG. 4D

Impact of TiN cap on B distribution

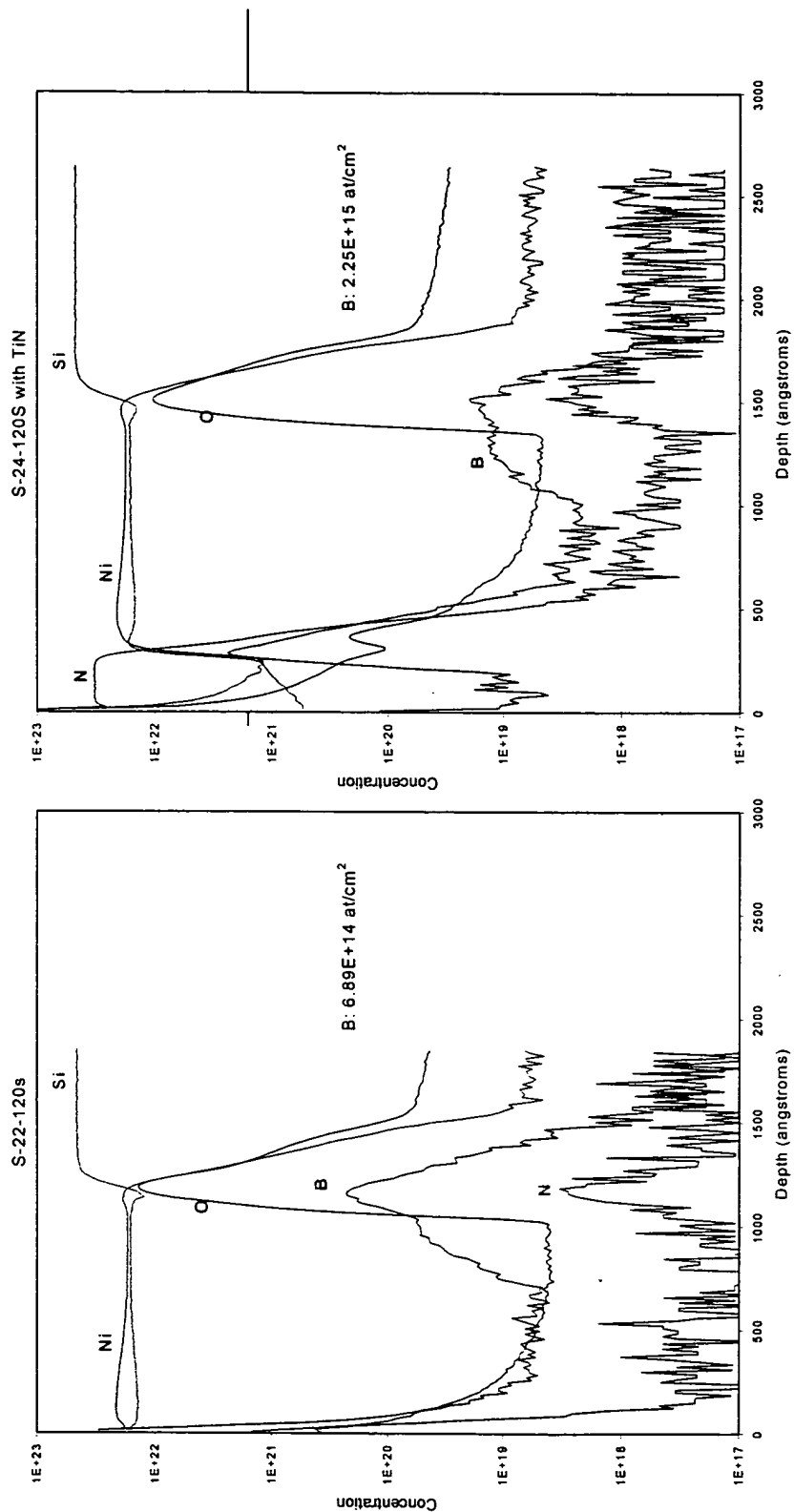


FIG 5A - No TiN cap

FIG. 5B With TiN cap

Impact of TiN cap on As distribution

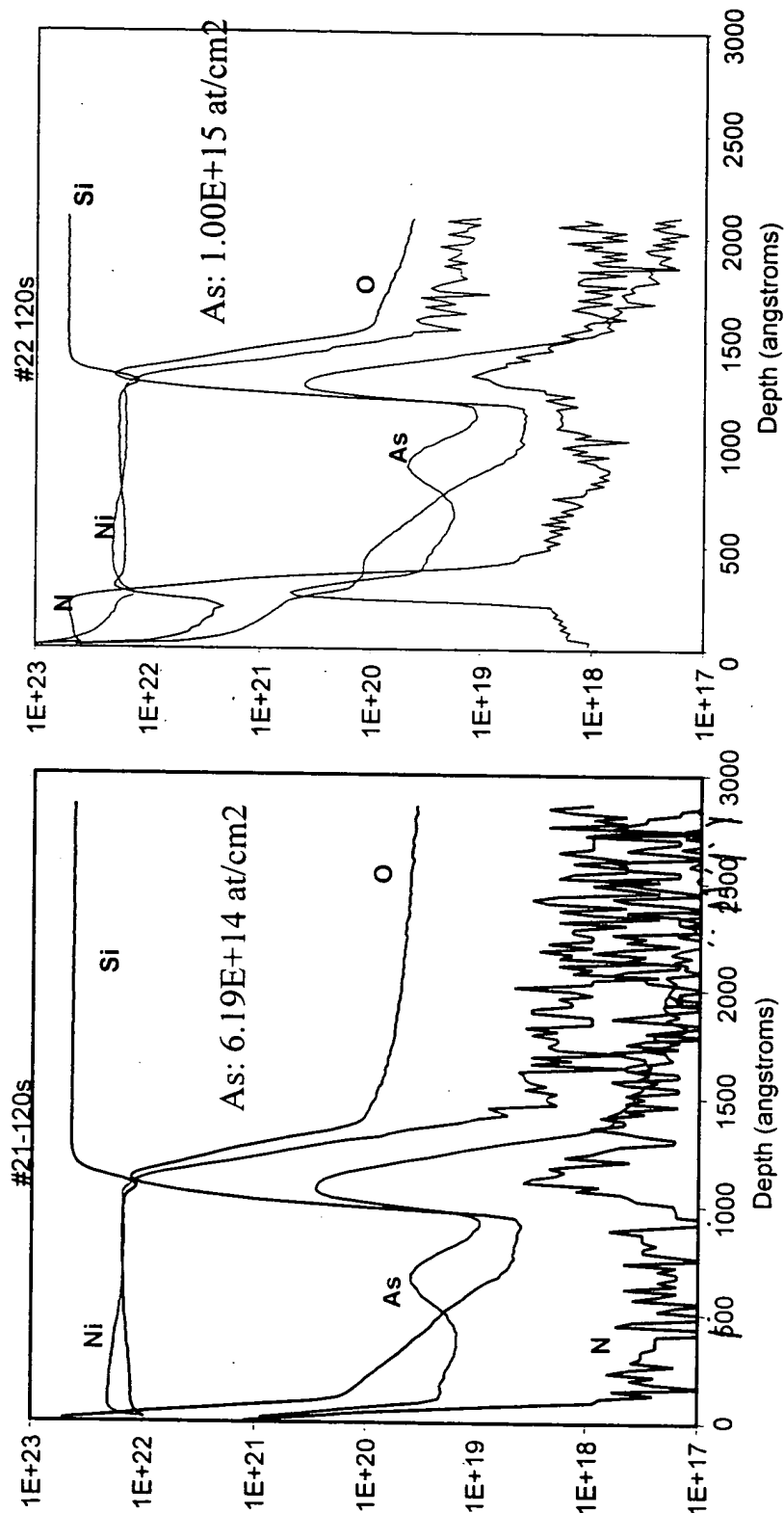


FIG. 6A No TiN cap

FIG. 6B With TiN cap